CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/SLE/W.No.14/2017-18 29.12.2017

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.

Agency : **M/s. Shri Lakshmi Enterprises,** Bangalore

Name of the work : Improvements to cement Concrete Roads at Difence Colony in Bagalagunte in Ward No.14, BBMP, Bangalore.

Reference : EE/DD/WO/129/2017-18 Dated:18.12.2017

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.12.2017	29.12.2017	8.254	520.6	23.14
2	22.12.2017	29.12.2017	8.269	495.3	22.01
3	22.12.2017	29.12.2017	8.277	473.6	21.05

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

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Authorised Signatory

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Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{30}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.12.2017	29.12.2017	8.225	506.2	22.50
2	22.12.2017	29.12.2017	8.262	518.7	23.05
3	22.12.2017	29.12.2017	8.217	530.4	23.57

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Job No.: CQCE/BBMP/SLE/W.No.14/2017-18 Date: 26.12.2017

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	**Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Contractor	:	**M/s. Shri Lakshmi Enterprises,** Bangalore
Name of Work	:	Improvements to cement Concrete Roads at Difence Colony in Bagalagunte in Ward No.14, BBMP, Bangalore.
Reference	:	EE/DD/WO/129/2017-18 Dated:18.12.2017
No.of Sample Tested	:	03
Date of Testing	:	26.12.2017
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	82.00	0.380	2360.15	1.64	0.960	33.40	17.01	18.37	17.64	22.05
2	50.00	84.00	0.395	2394.90	1.68	0.960	32.70	16.65	17.99	17.27	21.58
3	50.00	86.00	0.406	2404.35	1.72	0.960	35.60	18.13	19.58	18.80	23.50

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 15days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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Job No.: CQCE/BBMP/SLE/W.No.14/2017-18 Date : 28.12.2017

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Executive Engineer,** Dasarahalli Division, BBMP, Bangalore.
Agency : **M/s. Shri Lakshmi Enterprises,** Bangalore
Name of Work : Improvements to cement Concrete Roads at Difence Colony in Bagalagunte in Ward No.14, BBMP, Bangalore.
Reference : EE/DD/WO/129/2017-18 Dated:18.12.2017
Date of Testing : 28.12.2017
Material Type : Wet Mix Macadam

Oven Dry.Wt 12613

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	525	525	4.2	95.8	95-100
22.4	4236	4761	37.7	62.3	60-80
11.2	2285	7046	55.9	44.1	40-60
4.75	1945	8991	71.3	28.7	25-40
2.36	1230	10221	81.0	19.0	15-30
0.600	1152	11373	90.2	9.8	8-22
0.075	910	12283	97.4	2.6	0-8

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 90 days from the date of testing.

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ಬಿ.ದಾಸರ... ...ನ-ವಿಭಾಗ
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ಬೆಂಗಳೂರು

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